

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Charette et al.

Serial No: 09/012,846

Filed: January 23, 1998

For: METHODS AND COMPOSITIONS  
FOR ENHANCING COGNITIVE  
FUNCTION USING  
MORPHOGENIC PROTEINS



Attorney Docket No. CIBT-P01-510

Art Unit: 1647

Examiner: S. Turner

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Brent LaBarge

Assistant Commissioner of Patents  
Washington, D.C. 20231

**REPLY UNDER 37 CFR 1.111**

Sir:

This amendment is being filed in reply to the outstanding Office Action, mailed August 21, 2001, in connection with the above application. Please enter the following amendments:

**In the claims:**

Sub 28  
C1  
(Amended) A method for enhancing the formation and development of dendrites and synapses in hippocampal cells, comprising contacting said cells with a morphogen selected from an OP-1 polypeptide, a BMP-2 polypeptide, a BMP-5 polypeptide, a BMP-6 polypeptide, and a 60A polypeptide.

29. (Amended) The method of claim 28, wherein said morphogen comprises residues 30-292 of SEQ ID NO: 2.